

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

ABSTRACT

Automatic color adjustment having few side effects on memory colors ~~is carried out.~~

An image processing apparatus of correcting the color of a specific range of a pixel signal for each pixel included in an input image signal, comprises an intensity determination means ~~200A~~ of generating a correction intensity that is small on the periphery of the color region of the specific range on the basis of two chromaticity signals excluding a luminance component and large in the vicinity of the nearly central portion of the range in the pixel signal, a target color setting means ~~400A~~ of setting a target color depending on which the pixel signal is corrected, a correction degree setting means ~~600~~ of setting correction degree by also using information, other than pixel information, included in the pixel signal, and a correction means of making the image signal close to the target color depending on the correction intensity output from the intensity determination means ~~200A~~ and the correction degree output from the correction degree setting means ~~600~~.

Respectfully submitted,

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Attachment: Abstract

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Kathleen Libby
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ABSTRACT

Automatic color adjustment having few side effects on memory colors.

An image processing apparatus of correcting the color of a specific range of a pixel signal for each pixel included in an input image signal, comprises an intensity determination means of generating a correction intensity that is small on the periphery of the color region of the specific range on the basis of two chromaticity signals excluding a luminance component and large in the vicinity of the nearly central portion of the range in the pixel signal, a target color setting means of setting a target color depending on which the pixel signal is corrected, a correction degree setting means of setting correction degree by also using information, other than pixel information, included in the pixel signal, and a correction means of making the image signal close to the target color depending on the correction intensity output from the intensity determination means and the correction degree output from the correction degree setting means.

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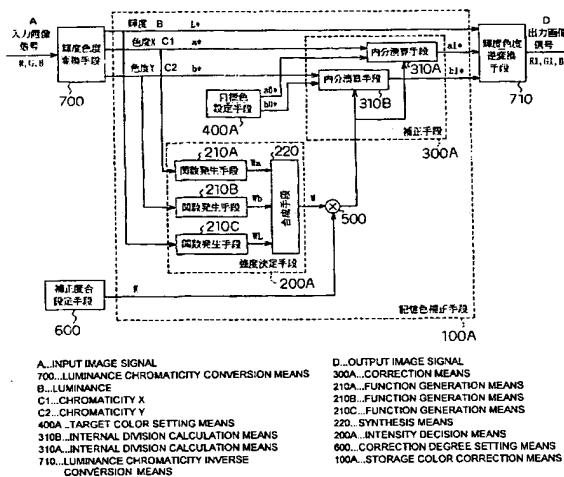
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(54) Title: IMAGE PROCESSING DEVICE

(54) 発明の名称: 画像処理装置



(57) Abstract: Automatic color adjustment is performed with little side effect for the storage color. An image processing device corrects a color of a particular range of an image signal for each of pixels contained in an input image signal. The image processing device includes: intensity decision means (200A) for generating correction intensity with small intensity at periphery and large intensity in the vicinity of the center for a color region of a particular range according to two chromaticity signals excluding a luminance component among the pixel signals; target color setting means (400A) for setting a target color for correcting the pixel signal; correction degree setting means (600) for setting a correction degree by using information other than on the image information contained in the pixel signal; and correction means for setting the image signal near the target color according to the correction intensity output by the intensity decision means (200A) and the correction degree output by the correction degree setting means (600).

(57) 要約: 記憶色に対する副作用の少ない自動色調整を行う。入力画像信号に含まれる各画素ごとに画素信号の特定範囲の色を補正する画像処理装置において、画素信号の内、輝度成分を除いたふたつの色度信号に基づいて特定範囲の色の領域に対して、周辺は小さく、概略中央付近が大きな補正強度を生成する強度決定手段200Aと、画素信号を補正する目標色を設定する目標色設定手段400Aと、画素信号に含まれる画素情報以外の情報をも用いて補正度合を設定する補正度合設定手段600と、強度決定手段200Aの出力する補正強度と補正度合設定手段600の出力する補正度合に応じて、画像信号を目標色に近づける補正手段を備える。